

## CLAIMS

We claim:

1. An electrical thermometer, comprising:
  - a main body;
  - a metallic tip connected to the main body as a shell having an opening end and a closed end;
  - a thermal conductive glue positioned inside the closed end of the metallic tip;
  - a thermal sensor fixed in the thermal conductive glue; and
  - a thermal insulator positioned between the opening end of the metallic tip and the thermal conductive glue.
2. The electrical thermometer of Claim 1, wherein the volume of the thermal conductive glue is less than one-quarter of the inner space of the metallic tip.
3. The electrical thermometer of Claim 1, wherein the main body has a tapered probe portion on which the metallic tip is mounted.
4. The electrical thermometer of Claim 1, wherein the thermal sensor is fixed on the inner wall of the metallic tip by adhesive.
5. The electrical thermometer of Claim 1, wherein the thermal sensor has a plurality of electrically conductive wires which transmit electric signals of the thermal sensor.

6. The electrical thermometer of Claim 5, wherein the electrically conductive wires are pressed against the inner wall of the metallic tip.

7. The electrical thermometer of Claim 1, wherein the main body further includes a display unit for showing measured temperature.

8. The electrical thermometer of Claim 1, wherein the main body further includes a switch for triggering a measurement action.